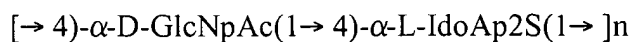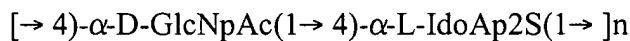CLAIMS

1.      A method of treating cancer in a host in need of treatment comprising
administering to said host an anti-cancer effective amount of a compound of the
formula

[→ 4)-α-D-GlcNpAc(1→ 4)-α-L-IdoAp2S(1→ ]n

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is
idopyranosyluronic acid and S is sulfate, and n is 1 to 1000.

2.      The method of Claim 1 wherein n is 4 to 500.

3.      The method of Claim 1 wherein n is 51 to 100.

4.      The method of Claim 1 wherein n is 4 to 100.

5.      The method of Claim 1 wherein n is 4 to 50.

6.      A method of treating a host by inhibiting an increase in the volume or mass
of a tumor in said host in need of treatment which comprises administering to said
host a compound of the formula
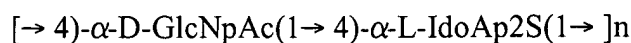
[→ 4)-α-D-GlcNpAc(1→ 4)-α-L-IdoAp2S(1→ ]n

wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is
idopyranosyluronic acid and S is sulfate, and n is 1 to 1000 in an amount effective
to inhibit an increase in the volume or mass of a tumor.

7.      The method of Claim 6 wherein n is 4 to 500.

8.      The method of Claim 6 wherein n is 51 to 100.

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9.      The method of Claim 6 wherein n is 4 to 100.


10.     The method of Claim 6 wherein n is 4 to 50.


11.     A pharmaceutical composition comprising a compound of the formula


[→ 4)-α-D-GlcNpAc(1→ 4)-α-L-IdoAp2S(1→ ]n


wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is
idopyranosyluronic acid and S is sulfate, and n is 1 to 1000 in an amount effective
to treat cancer in a host by inhibiting cancer growth in said host
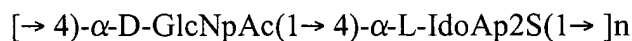

12.     The composition of Claim 11 wherein n is 4 to 500.


13.     The composition of Claim 11 wherein n is 51 to 100.


14.     The composition of Claim 11 wherein n is 4 to 100.


15.     The composition of Claim 11 wherein n is 4 to 50.


16.     A pharmaceutical composition comprising an amount of compound of the
formula
[→ 4)-α-D-GlcNpAc(1→ 4)-α-L-IdoAp2S(1→ ]n


wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is
idopyranosyluronic acid and S is sulfate, and n is 1 to 1000 that is effective in
inhibiting an increase in the volume or mass of a tumor in a host in need of such
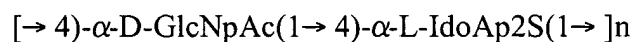inhibiting effect. .


17.     The composition of Claim 16 wherein n is 4 to 500.

18.    The composition of Claim 16 wherein n is 51 to 100.

19.    The composition of Claim 16 wherein n is 4 to 100.

20.    The composition of Claim 16 wherein n is 4 to 50.

21.    The use of a compound of the formula

$$[\rightarrow 4)\text{-}\alpha\text{-D-GlcNpAc}(1\rightarrow 4)\text{-}\alpha\text{-L-IdoAp2S}(1\rightarrow ]n$$

for the manufacture of a medicament useful for the treatment of cancer in a host in
need of said treatment and administering said compound in an effective amount to
said host wherein GlcNpAc is 2-acetamido 2-deoxyglucopyranose, IdoAp is
idopyranosyluronic acid and S is sulfate, and n is 1 to 1000.

22.    The use of a compound of the formula

$$[\rightarrow 4)\text{-}\alpha\text{-D-GlcNpAc}(1\rightarrow 4)\text{-}\alpha\text{-L-IdoAp2S}(1\rightarrow ]n$$
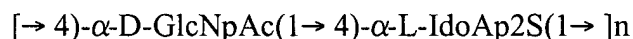
for the manufacture of a medicament useful for inhibiting an increase in the volume
or mass of a tumor in a host in need of said treatment and administering said
compound in an effective amount to said host wherein GlcNpAc is 2-acetamido 2-
deoxyglucopyranose, IdoAp is idopyranosyluronic acid and S is sulfate, and n is 1
to 1000.

23.    The use of Claims 21 and 22 wherein n is 4 to 500.

24.    The use of Claims 21 and 22 wherein n is 51 to 100.

25.    The use of Claims 21 and 22 wherein n is 4 to 100.

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26.　　The use of Claims 21 and 22 wherein n is 4 to 50.